	lication No.	Applicant(s)	
09/7	00,817	TANIDA ET AL.	
	miner	Art Unit	
F	ard Schnizer, Ph. D	1635	L
The MAILING DATE of this communication appears on the communication appears on the communication appears on the communication appears on the communication and the communication appears on the communication of the communication appears of the office or upon petition by the applicant. See 37 CFR 1.313 and I	ner appropriate communication is sub	cation will be mailed in due	course. THIS
. This communication is responsive to <u>1/9/04</u> .			
. The allowed claim(s) is/are 1,3,4 and 6-18.			
. The drawings filed on are accepted by the Examiner.			
 Acknowledgment is made of a claim for foreign priority under 3 a) All b) Some* c) None of the: 1. Certified copies of the priority documents have beer 2. Certified copies of the priority documents have beer 3. Copies of the certified copies of the priority documents have beer International Bureau (PCT Rule 17.2(a)). 	n received. n received in Application	No	ation from the
* Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this noted below. Failure to timely comply will result in ABANDONMENT THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	s communication to file a of this application.	reply complying with the re	quirements
 A SUBSTITUTE OATH OR DECLARATION must be submitted. INFORMAL PATENT APPLICATION (PTO-152) which gives rea 	Note the attached EXAM ason(s) why the oath or d	IINER'S AMENDMENT or Neclaration is deficient.	NOTICE OF
6. CORRECTED DRAWINGS (as "replacement sheets") must be	submitted.		
(a) including changes required by the Notice of Draftsperson's	Patent Drawing Review (PTO-948) attached	
1) 🗌 hereto or 2) 📗 to Paper No./Mail Date			
(b) including changes required by the attached Examiner's Am- Paper No./Mail Date	endment / Comment or ir	the Office action of	
1 apci 110.///dii bato)) should be written on the	drawings in the front (not th	
Identifying indicia such as the application number (see 37 CFR 1.84(c) each sheet. Replacement sheet(s) should be labeled as such in the he	ader according to 37 CFR	1.121(d).	e back) of

of Biological Material

9. Other ____.

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EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with John Van Amsterdam on 4/2/04.

The application has been amended as follows:

IN THE CLAIMS:

In claim 1, delete "1:0.2-1:5" and insert --in the range of 1:0.2 to 1:5 (w/w)-therefor.

In claim 3, delete "1:0.2:0.01-1:5:1" and insert --in the range of 1:0.2:0.01 to 1:5:1 (w/w)-- therefor.

Claim 8 (currently amended). The solid preparation for oral administration according to claim 4 wherein the disintegrator is mixed for [the] production in [the] <u>a</u> ratio in the range of 1:0.5 to 1:10 (w/w) against the content of the nucleic acid drug.

In claim 12, delete "disintegrators are" and insert --disintegrator is-- therefor.

13. (Currently amended) The solid preparation for oral administration according to claim 4 wherein the [saccharides are monosaccharides and/or disaccharides] saccharide is a monsaccharide or a disaccharide selected from the group consisting of lactose, fructose, sucrose, glucose xylitol, maltose, mannitol and sorbitol, or is a [polysaccharides and derivatives] polysaccharide or derivative thereof such as cellulose,

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crystalline cellulose, hydroxypropyl cellulose, hydroxypropylmethyl cellulose, ethyl cellulose, starch, dextrin, dextran, pectin and pullulan.

In claim 14, delete "excipients are" and insert --excipient is—therefor.

In claim 15, delete "drugs are" and insert --drug is-- therefor.

In claim 16, delete "binders are" and insert --binder is--.

In claim 17, delete "carriers are" and insert --carrier is-- therefor.

In claim 18, delete "comprising" and insert --consisting of-- therefor.

Reasons for Allowance

Applicant's amendments overcome the previous rejections under 35 USC 112, second paragraph, 35 USC 102, and 35 USC 103. The previous rejection under 35 USC 112, first paragraph fro lack of enablement for compositions for delivery of phage or triplex forming nucleic acids to the lower digestive tracts is withdrawn for the following reasons. In the response filed 1/9/04, Applicant presented evidence that at the time of filing phage had been developed that were useful for delivering and expressing nucleic acids in animals in vivo. See Gold et al US Patent 5,736,388. In view of the fact that one could deliver other nucleic acids and viruses to the colon, a composition comprising such phage is be enabled. With respect to triplex forming oligonucleotides (TFOs), a further review of the prior art shows that prior to the time of filling, it was established that TFOs could affect gene expression in eukaryotic cells by binding to promoter regions of chromosomal genes. In view of the fact that antisense oligonucleotides can be delivered to the colon and will function to inhibit gene expression therein, the fact that

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the TFOs and antisense both function by hybridization to cellular target sequences, and in the absence of specific evidence showing that TFOs will not function in vivo, the rejection is withdrawn.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner(s) should be directed to Richard Schnizer, whose telephone number is 571-272-0762. The examiner can normally be reached Monday through Friday between the hours of 6:20 AM and 3:50 PM. The examiner is off on alternate Fridays, but is sometimes in the office anyway.

If attempts to reach the examiner by telephone are unsuccessful, the Examiner's supervisor, John Leguyader, be reached at 571-272-0760. The official central fax number is 703-872-9306. Inquiries of a general nature or relating to the status of the application should be directed to the Patent Analyst Trina Turner whose telephone number is 571-272-0564.

Richard Schnizer, Ph.D.